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Appl. No. 10/743,921

**Amendments to the Claims:**

Please amend the claims as indicated. This listing of claims will replace all prior versions and listings of claims in the application.

**Listing of claims:**

1. (withdrawn) A method for cleaning catalyst from a reactor vessel, comprising the steps of:
  - suctioning the catalyst from the reactor vessel with a device without any humans being within the reactor vessel; and
  - moving the device within the reactor vessel.
2. (withdrawn) The method according to claim 1, wherein said moving step includes articulating the device.
3. (withdrawn) n/a (inadvertently omitted upon initial filing).
4. (withdrawn) The method according to claim 1, wherein said moving step includes rotating the device.
5. (withdrawn) The method according to claim 1, wherein said moving step includes moving the device vertically within the reactor vessel.
6. (withdrawn) The method according to claim 5, wherein said step of moving the device vertically within the reactor vessel includes hoisting the device.
7. (withdrawn) The method according to claim 1, further including videoing said suctioning of the catalyst from the reactor vessel.
8. (withdrawn) The method according to claim 7, further including lighting said suctioning of the catalyst from the reactor vessel.

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9. (withdrawn) The method according to claim 1, further including controlling the device from a station remote from the reactor vessel.

10. (withdrawn) The method according to claim 1, further including stabilizing the device within the reactor vessel.

11. (withdrawn) The method according to claim 10, wherein said step of stabilizing the device within the reactor vessel includes leveraging and wedging the device.

12. (withdrawn) The method according to claim 1, further including a step selected from the group of steps consisting of: scraping an agglomerated material, providing a carrier medium for the catalyst, chemical spraying of the reactor vessel, picking, raking, augering, and removing bolts from within the reactor vessel.

13. (withdrawn) The method according to claim 1, further including a step selected from the group of steps consisting of:

powering the device with a system selected form the group of systems consisting of powering the device with a low voltage electric system, powering the device with a high voltage electric system, powering the device with a hydraulic system, powering the device with a pneumatic system, and powering the device with a combination thereof.

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14. (withdrawn) A method for performing inert, hazardous environment, and confined space services, comprising the steps of: performing a step selected from the group of steps consisting of: cleaning a waste material, and inspecting by video; wherein said step is performed within a structure selected from the group of structures consisting of: a vessel, a tank, a tower, and a hold; and moving a device for carrying out the performing step within the structure.

15. (currently amended) An apparatus for cleaning catalyst selected for use in a group of confined spaces, consisting of inert spaces or other hazardous environment spaces, comprising:  
a reactor vessel;  
a robotic device having a cleaning arm connected to said robotic device;  
wherein said robotic device is within the reactor vessel; and  
the reactor vessel being free from having a human operator within the reactor vessel.

16. (currently amended) The apparatus according to claim 15, wherein said robotic device has a main body, a means for stabilizing said robotic device connected to the main body, a turret connected to the main body, and wherein said cleaning arm is connected to said turret.

17. (original) The apparatus according to claim 16, further including a vacuum line connected through the reactor vessel and through said robotic device to said cleaning arm.

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18. (previously presented) The apparatus according to claim 15, further including a remote control station external to the reactor vessel in communication with said robotic device.
19. (original) The apparatus according to claim 15, further including an auger device connected to an end of said cleaning arm.
20. (original) The apparatus according to claim 15, wherein said cleaning arm includes an articulatable frame assembly and a suction line mounted to said articulatable frame assembly.
21. (original) The apparatus according to claim 20, further including a fitting connected to said suction line; and  
a nozzle connected through the fitting.
22. (original) The apparatus according to claim 15, further including an inspection camera mounted on said cleaning arm.
23. (original) The apparatus according to claim 15, further including an attachment to an end of said cleaning arm wherein the attachment includes a means for removing agglomerated material from the reactor vessel.
24. (withdrawn) An apparatus for performing inert, hazardous environment, and confined space services, comprising:  
a reactor vessel;  
a robotic device having an articulatable frame assembly connected to said robotic device wherein said robotic device is within the reactor vessel;  
the reactor vessel being free from having a human operator within the reactor vessel; and  
an inspection camera mounted on said articulatable frame assembly.

25. (withdrawn) An apparatus for cleaning catalyst, comprising:  
a vessel;  
a robotic device wherein said robotic device is within the vessel, said robotic device having:  
    a means for stabilizing said robotic device within the vessel including a means for wedging said robotic device against an interior vessel wall;  
    a means for moving said robotic device within the vessel;  
    a means for suctioning catalyst connected via said robotic device and through the vessel; and  
the vessel being free from having a human operator within the vessel.